



## Carondelet Division

8600 Commercial Blvd. - Pevely, MO 63070 USA  
Phone: 636-479-4499 - Fax: 636-479-3399

## Material Test Report

ENERGY INDUSTRIES OF OHIO

Purchase Order Number PPPL-FP-LTS-2 Heat Number 31455 Pour Date 11/2/2005  
Pattern Number SE-141-058 COIL B SHIM Cert Number 177360-1  
CAF Metal Designation CF8MNMnMod S/N 1  
Material Spec CF8MNMN MOD

Element	Min	Actual	Max
C	0.04	0.04	0.07
MN	2.3	2.8	2.8
SI	0.0	0.3	0.7
CR	18.0	18.3	18.5
NI	13.0	13.4	13.5
MO	2.1	2.2	2.5
P	0.0	0.030	0.035
S	0.0	0.010	0.025
N	0.24	0.24	0.28

The certificate is produced with EDP and valid without signature.

Respectfully Submitted,  
Charles A. Ruud  
Quality Assurance Manager

Superior Quality Engineered Metal Products

[www.MetalTekInt.Com](http://www.MetalTekInt.Com)



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### Final Inspection Report

Customer ENERGY INDUSTRIES OF OHIO  
Pattern: SE-141-058 COIL B SHIM  
S/N 1

Order PPPL-FP-LTS-2

ASTM Metal CF8MNMN MOD

Date 2/28/2006

Type Description	Cert Number	Procedure	Acceptance Criteria	Actual
Liquid Penetrant	177360-1	CQP - 300 Rev 9	ASTM A903 Level II	Acceptable
Mag Perm	177360-1	SOP Mag Perm 100 Rev 1	<1.02	Acceptable
Radiographic	177360-1	Technique # 12726	MSS SP 54	Acceptable
Visual	177360-1	CQP - 500 REV 4	ASTM A802 LEVEL 2	Acceptable

Liquid Penetrant

Technician: Kevin Anderson  
ASNT Level II

Visual

Technician: Kevin Anderson  
ASNT Level II

Respectfully Submitted,  
Charles A. Ruud  
Quality Assurance Manager



3

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### Certificate of Conformance

ENERGY INDUSTRIES OF OHIO

Order Number PPPL-FP-LTS-2

Pattern SE-141-058 COIL B SHIM S/N 1

ASTM CF8MNMN MOD

Date 2/28/2006

Cert Number

177360-1

A shim for B-1 coil was poured from heat number 31455. No weld repairs were necessary.

A handwritten signature in black ink, appearing to read "Charles A. Ruud".

We certify that we have complied in accordance with the drawings(s) and specifications(s) listed on the above purchase order. The articles furnished were made and/or processed from parts and/or materials in accordance with all applicable drawings(s) and specifications(s) pursuant to the afore mention purchase order.

Respectfully Submitted,  
Charles A. Ruud  
Quality Assurance Manager

**Superior Quality Engineered Metal Products**

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# MetalTek

## INTERNATIONAL

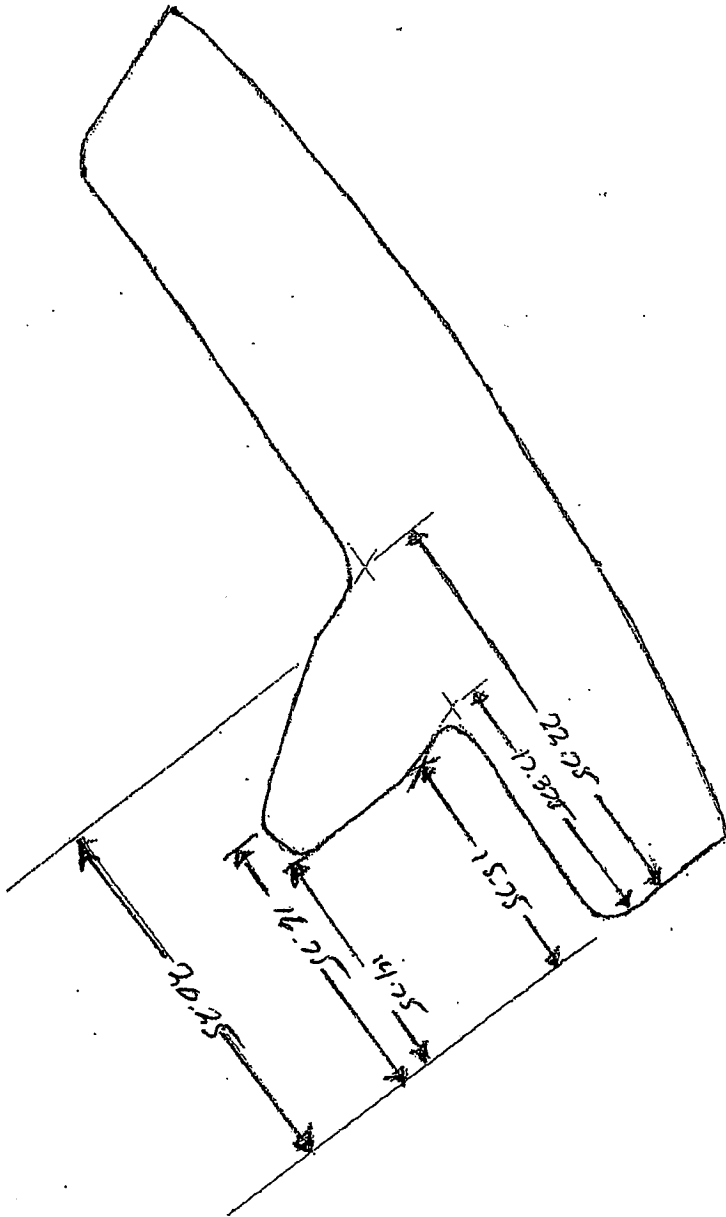
4

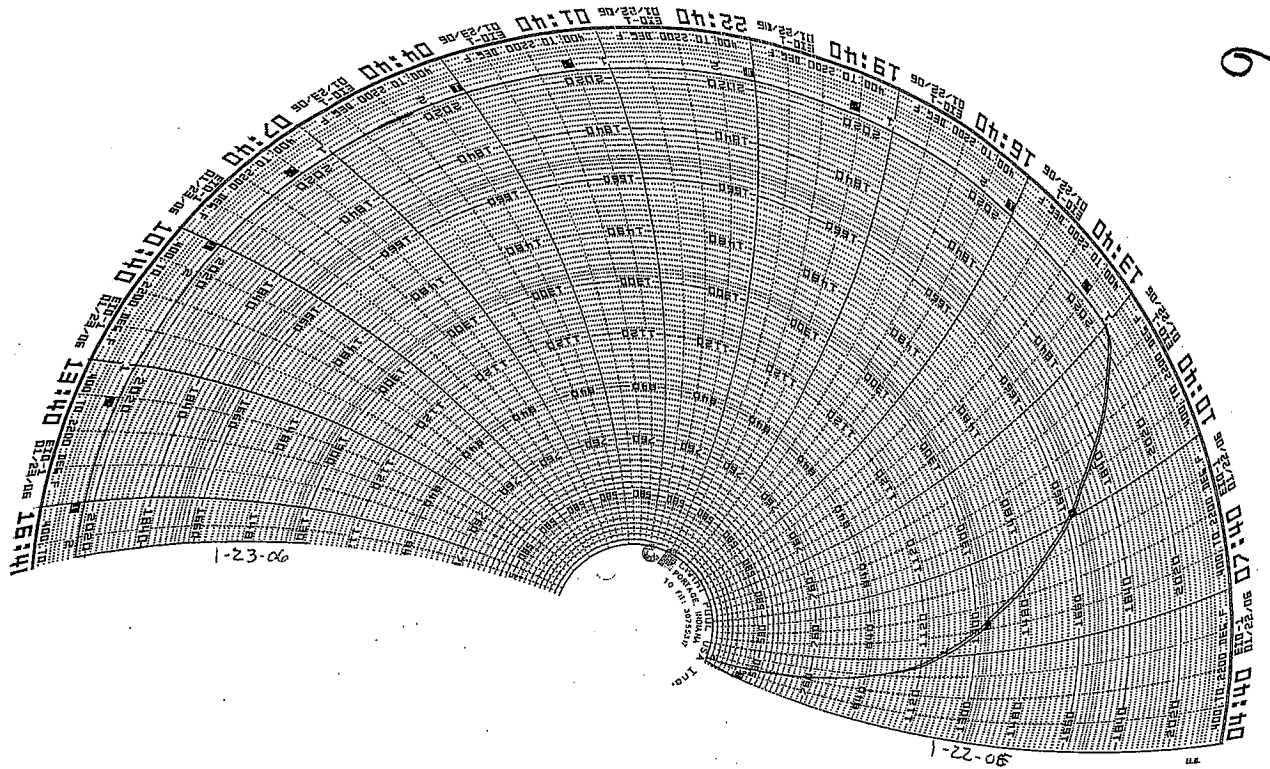
### RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER <b>E.I.O.</b>		PURCHASE ORDER NUMBER <b>PPPL-FP-LTS-2</b>			DATE <b>2-24-06</b>		CONTROL NO. <b>40851</b>		PAGE <b>1 of 1</b>												
PART NO. <b>SE-141-05B</b>		SPECIFICATION <b>Bskim E186</b>		CLASS <b>See Spec</b>		TOTAL PIECES <b>1</b>		PIECES ACCEPTED <b>1</b>													
RADIOGRAPHED BY: <b>Kelley</b>				INTERPRETED BY: <b>Kelley</b>			ASNT LEVEL <b>II</b>														
FILM TYPE <b>80</b>		MATERIAL <b>CF8M</b>		ISOTOPE <b>IRIDIUM 192 COBALT 60</b>				CODE <b>ASTM E94 ASME MIL-STD-453</b>													
		VIEW		ACCEPT		REJECT		SHRINK		INCLUSION		POROSITY		LINEAR		SURFACE		LOF/LOP		COMMENTS	
<b>M177360-1</b>																					
<b>RT.1</b>		<b>A</b>		<b>50</b>																	
		<b>B</b>				<b>3</b>		<b>2</b>													
		<b>C</b>																			
		<b>D</b>																			



PAGE 2 OF 2  
SHIM SE 141-058  
SKETCH 2/22/06





1. 100% TO 100%  
 2. 100% TO 100%  
 3. 100% TO 100%  
 4. 100% TO 100%  
 5. 100% TO 100%  
 6. 100% TO 100%  
 7. 100% TO 100%  
 8. 100% TO 100%  
 9. 100% TO 100%  
 10. 100% TO 100%

E10 1-22-06

A4 176190-1 1R

B SHIMS

177360-1 6Pcs.

SERIAL #'S 1 THRU 6

F5